

FILE 'HOME' ENTERED AT 18:14:49 ON 04 SEP 2003

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FILE 'MEDLINE' ENTERED AT 18:14:54 ON 04 SEP 2003

FILE LAST UPDATED: 4 SEP 2003 (20030904/UP). FILE COVERS 1958 TO DATE.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (Glotzer, M.? or Glotzer M.?) /au
1 GLOTZER, M.? /AU
1 GLOTZER M.? /AU
L1 1 (GLOTZER, M.? OR GLOTZER M.?) /AU

=> d 11

L1 ANSWER 1 OF 1 MEDLINE on STN
AN 86059533 MEDLINE
DN 86059533 PubMed ID: 2999153
TI Mitochondrial uncoupling protein from mouse brown fat. Molecular cloning, genetic mapping, and mRNA expression.
AU Jacobsson A; Stadler U; **Glotzer M A**; Kozak L P
NC HD08431 (NICHD)
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1985 Dec 25) 260 (30) 16250-4.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198601
ED Entered STN: 19900321
Last Updated on STN: 19990129
Entered Medline: 19860122

=> s (Romano, A.? or Romano A.?) /au
100 ROMANO, A.? /AU
100 ROMANO A.? /AU
L2 100 (ROMANO, A.? OR ROMANO A.?) /AU

=> s (Mishima, M.? or Mishima M.?) /au
0 MISHIMA, M.? /AU
0 MISHIMA M.? /AU
L3 0 (MISHIMA, M.? OR MISHIMA M.?) /AU

=> s (Jantsch-Plunger, V.? or Jantsch-Plunger V.?) /au
0 JANTSCH-PLUNGER, V.? /AU
0 JANTSCH-PLUNGER V.? /AU
L4 0 (JANTSCH-PLUNGER, V.? OR JANTSCH-PLUNGER V.?) /AU

=> s cyk-4
17 CYK

1894193 4
L5 4 CYK-4
(CYK(W) 4)

=> s MgcRacGAP
L6 11 MGCRACGAP

=> d L5 1-4

L5 ANSWER 1 OF 4 MEDLINE on STN
AN 2002266888 MEDLINE
DN 22001411 PubMed ID: 12006612
TI Rho-binding kinase (LET-502) and myosin phosphatase (MEL-11) regulate cytokinesis in the early *Caenorhabditis elegans* embryo.
AU Piekny Alisa J; Mains Paul E
CS Genes and Development Research Group, Department of Biochemistry and Molecular Biology, University of Calgary, 3330 Hospital Drive NW, Calgary, Alberta, Canada, T2N 4N1.
SO JOURNAL OF CELL SCIENCE, (2002 Jun 1) 115 (Pt 11) 2271-82.
Journal code: 0052457. ISSN: 0021-9533.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200212
ED Entered STN: 20020514
Last Updated on STN: 20021217
Entered Medline: 20021203

L5 ANSWER 2 OF 4 MEDLINE on STN
AN 2002056614 MEDLINE
DN 21642111 PubMed ID: 11782313
TI Central spindle assembly and cytokinesis require a kinesin-like protein/RhoGAP complex with microtubule bundling activity.
CM Comment in: Dev Cell. 2002 Jan;2(1):4-6
AU Mishima Masanori; Kaitna Susanne; Glotzer Michael
CS Research Institute of Molecular Pathology, Dr. Bohr-Gasse 7, A-1030, Vienna, Austria.
SO Dev Cell, (2002 Jan) 2 (1) 41-54.
Journal code: 101120028. ISSN: 1534-5807.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200202
ED Entered STN: 20020125
Last Updated on STN: 20020209
Entered Medline: 20020208

L5 ANSWER 3 OF 4 MEDLINE on STN
AN 2001200193 MEDLINE
DN 21184103 PubMed ID: 11287179
TI Mice with a homozygous gene trap vector insertion in mgcRacGAP die during pre-implantation development.
AU Van de Putte T; Zwijsen A; Lonnoy O; Rybin V; Coizjnsen M; Francis A; Baekelandt V; Kozak C A; Zerial M; Huylebroeck D
CS Department of Cell Growth, Differentiation and Development (VIB-07), Flanders Interuniversity Institute for Biotechnology (VIB) and Laboratory of Molecular Biology (CELGEN), University of Leuven, Herestraat 49, 3000, Leuven, Belgium.
SO MECHANISMS OF DEVELOPMENT, (2001 Apr) 102 (1-2) 33-44.
Journal code: 9101218. ISSN: 0925-4773.
CY Ireland

DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010820
Last Updated on STN: 20010820
Entered Medline: 20010816

L5 ANSWER 4 OF 4 MEDLINE on STN
AN 2000330160 MEDLINE
DN 20330160 PubMed ID: 10871280
TI CYK-4: A Rho family gtpase activating protein (GAP)
required for central spindle formation and cytokinesis.
AU Jantsch-Plunger V; Gonczy P; Romano A; Schnabel H; Hamill D; Schnabel R;
Hyman A A; Glotzer M
CS Research Institute of Molecular Pathology, A-1030 Vienna, Austria.
SO JOURNAL OF CELL BIOLOGY, (2000 Jun 26) 149 (7) 1391-404.
Journal code: 0375356. ISSN: 0021-9525.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200008
ED Entered STN: 20000811
Last Updated on STN: 20000811
Entered Medline: 20000801

=> d L6 1-11

L6 ANSWER 1 OF 11 MEDLINE on STN
AN 2003208695 MEDLINE
DN 22615220 PubMed ID: 12590651
TI Rho family GTPase Rnd2 interacts and co-localizes with **MgcRacGAP**
in male germ cells.
AU Naud Nathalie; Toure Aminata; Liu Jianfeng; Pineau Charles; Morin
Laurence; Dorseuil Olivier; Escalier Denise; Chardin Pierre; Gacon Gerard
CS Institut Cochin, Departement de Genetique, Developpement et Pathologie
Moleculaire, INSERM U567/CNRS UMR8104, 24 rue du Faubourg Saint Jacques,
75014 Paris, France.
SO BIOCHEMICAL JOURNAL, (2003 May 15) 372 (Pt 1) 105-12.
Journal code: 2984726R. ISSN: 0264-6021.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200307
ED Entered STN: 20030506
Last Updated on STN: 20030704
Entered Medline: 20030703

L6 ANSWER 2 OF 11 MEDLINE on STN
AN 2003199940 MEDLINE
DN 22605531 PubMed ID: 12718869
TI Closing the GAP: a role for a RhoA GAP in cytokinesis.
AU Maddox Amy Shaub; Oegema Karen
CS Ludwig Institute for Cancer Research, University of California, San Diego,
CMM-East 3080, 9500 Gilman Drive, La Jolla 92093, USA.
SO MOLECULAR CELL, (2003 Apr) 11 (4) 846-8. Ref: 11
Journal code: 9802571. ISSN: 1097-2765.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)

(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200306
ED Entered STN: 20030430
Last Updated on STN: 20030619
Entered Medline: 20030618

L6 ANSWER 3 OF 11 MEDLINE on STN
AN 2003170934 MEDLINE
DN 22575349 PubMed ID: 12689593
TI Phosphorylation by aurora B converts **MgcRacGAP** to a RhoGAP during cytokinesis.
AU Minoshima Yukinori; Kawashima Toshiyuki; Hirose Koichi; Tonozuka Yukio; Kawajiri Aie; Bao Ying Chun; Deng Xingming; Tatsuka Masaaki; Narumiya Shuh; May W Stratford Jr; Nosaka Tetsuya; Semba Kentaro; Inoue Takafumi; Satoh Takaya; Inagaki Masaki; Kitamura Toshio
CS Division of Hematopoietic Factors, The Institute of Medical Science, University of Tokyo, Minato-ku, Tokyo 108-8639, Japan.
SO Dev Cell, (2003 Apr) 4 (4) 549-60.
Journal code: 101120028. ISSN: 1534-5807.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200306
ED Entered STN: 20030416
Last Updated on STN: 20030617
Entered Medline: 20030616

L6 ANSWER 4 OF 11 MEDLINE on STN
AN 2002209029 MEDLINE
DN 21939133 PubMed ID: 11942621
TI Role of **MgcRacGAP/Cyk4** as a regulator of the small GTPase Rho family in cytokinesis and cell differentiation.
AU Kitamura T; Kawashima T; Minoshima Y; Tonozuka Y; Hirose K; Nosaka T
CS Division of Cellular Therapy, Advanced Clinical Research Center, and The Institute of Medical Science, University of Tokyo, Japan..
kitamura@ims.u-tokyo.ac.jp
SO CELL STRUCTURE AND FUNCTION, (2001 Dec) 26 (6) 645-51.
Journal code: 7608465. ISSN: 0386-7196.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200210
ED Entered STN: 20020412
Last Updated on STN: 20021010
Entered Medline: 20021008

L6 ANSWER 5 OF 11 MEDLINE on STN
AN 2001335071 MEDLINE
DN 21282968 PubMed ID: 11278976
TI Tat1, a novel sulfate transporter specifically expressed in human male germ cells and potentially linked to rhoGTPase signaling.
AU Toure A; Morin L; Pineau C; Becq F; Dorseuil O; Gacon G
CS Institut Cochin de Genetique Moleculaire, Departement de Genetique, Developpement et Pathologie Moleculaire, INSERM Unite 257, 24 Rue du Faubourg Saint-Jacques, 75014 Paris, France.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Jun 8) 276 (23) 20309-15.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 200107
ED Entered STN: 20010716
Last Updated on STN: 20030105
Entered Medline: 20010712

L6 ANSWER 6 OF 11 MEDLINE on STN
AN 2001200193 MEDLINE
DN 21184103 PubMed ID: 11287179
TI Mice with a homozygous gene trap vector insertion in **MgcRacGAP** die during pre-implantation development.
AU Van de Putte T; Zwijsen A; Lonnoy O; Rybin V; Cozijnsen M; Francis A;
Baekelandt V; Kozak C A; Zerial M; Huylebroeck D
CS Department of Cell Growth, Differentiation and Development (VIB-07),
Flanders Interuniversity Institute for Biotechnology (VIB) and Laboratory
of Molecular Biology (CELGEN), University of Leuven, Herestraat 49, 3000,
Leuven, Belgium.
SO MECHANISMS OF DEVELOPMENT, (2001 Apr) 102 (1-2) 33-44.
Journal code: 9101218. ISSN: 0925-4773.

CY Ireland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200108
ED Entered STN: 20010820
Last Updated on STN: 20010820
Entered Medline: 20010816

L6 ANSWER 7 OF 11 MEDLINE on STN
AN 2001195371 MEDLINE
DN 21101965 PubMed ID: 11085985
TI **MgcRacGAP** is involved in cytokinesis through associating with
mitotic spindle and midbody.
AU Hirose K; Kawashima T; Iwamoto I; Nosaka T; Kitamura T
CS Division of Hematopoietic Factors, The Institute of Medical Science,
University of Tokyo, Minato-ku Tokyo 108-8639, Japan.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Feb 23) 276 (8) 5821-8.
Journal code: 2985121R. ISSN: 0021-9258.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200104
ED Entered STN: 20010410
Last Updated on STN: 20030105
Entered Medline: 20010405

L6 ANSWER 8 OF 11 MEDLINE on STN
AN 2000469677 MEDLINE
DN 20435340 PubMed ID: 10979956
TI **MgcRacGAP** is involved in the control of growth and
differentiation of hematopoietic cells.
AU Kawashima T; Hirose K; Satoh T; Kaneko A; Ikeda Y; Kaziro Y; Nosaka T;
Kitamura T
CS Department of Hematopoietic Factors and Department of Clinical Oncology,
The Institute of Medical Science, University of Tokyo, Minato-ku, Tokyo,
Japan.
SO BLOOD, (2000 Sep 15) 96 (6) 2116-24.
Journal code: 7603509. ISSN: 0006-4971.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English

FS Abridged Index Medicus Journals; Priority Journals
OS GENBANK-AB030251
EM 200010
ED Entered STN: 20001012
Last Updated on STN: 20001012
Entered Medline: 20001004

L6 ANSWER 9 OF 11 MEDLINE on STN
AN 1999425090 MEDLINE
DN 99425090 PubMed ID: 10493933
TI Structure and expression of murine **mgcRacGAP**: its developmental regulation suggests a role for the Rac/**MgcRacGAP** signalling pathway in neurogenesis.
AU Arar C; Ott M O; Toure A; Gacon G
CS Institut Cochin de Genetique Moleculaire, INSERM Unite 257, 24 Rue du Faubourg Saint Jacques, 75014 Paris, France.
SO BIOCHEMICAL JOURNAL, (1999 Oct 1) 343 Pt 1 225-30.
Journal code: 2984726R. ISSN: 0264-6021.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199912
ED Entered STN: 20000113
Last Updated on STN: 20000113
Entered Medline: 19991207

L6 ANSWER 10 OF 11 MEDLINE on STN
AN 1999249188 MEDLINE
DN 99249188 PubMed ID: 10235109
TI Identification and characterization of a transcript for a novel Rac GTPase-activating protein in terminally differentiating 3T3-L1 adipocytes.
AU Wooltorton E J; Haliotis T; Mueller C R
CS Department of Pathology, Queen's University, Kingston, Ontario, Canada.
SO DNA AND CELL BIOLOGY, (1999 Apr) 18 (4) 265-73.
Journal code: 9004522. ISSN: 1044-5498.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AF079974
EM 199905
ED Entered STN: 19990614
Last Updated on STN: 20000303
Entered Medline: 19990528

L6 ANSWER 11 OF 11 MEDLINE on STN
AN 1998165771 MEDLINE
DN 98165771 PubMed ID: 9497316
TI **MgcRacGAP**, a new human GTPase-activating protein for Rac and Cdc42 similar to Drosophila rotundRacGAP gene product, is expressed in male germ cells.
AU Toure A; Dorseuil O; Morin L; Timmons P; Jegou B; Reibel L; Gacon G
CS Institut Cochin de Genetique Moleculaire, INSERM Unite 257, 24 Rue du faubourg Saint Jacques, 75014 Paris, France.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1998 Mar 13) 273 (11) 6019-23.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199804
ED Entered STN: 19980416

Last Updated on STN: 20000303
Entered Medline: 19980407